

INTERNATIONAL SEARCH REPORT

International Application No PCT/US 03/21156

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01N27/401 G01N27/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
--

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT
--

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/045357 A1 (SILVERMAN HERBERT ET AL) 29 November 2001 (2001-11-29) the whole document	1-63
Y	-----	64,65
A	WO 01/75430 A (CANDELA ELLEN ; BOWER MICHAEL M (US); FOXBORO CO (US); SKINNER DAVID N) 11 October 2001 (2001-10-11) page 2, lines 17-36 page 6, line 31 - page 7, line 16 page 9, lines 8-10; claims 1-5	1,20,28, 31
A	GB 2 093 193 A (CORNING GLASS WORKS) 25 August 1982 (1982-08-25) page 1, lines 4-14,78-90 page 3, lines 120-126 page 4, lines 27-31; figure 4	1
	----- -/-	

<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.
--

<input checked="" type="checkbox"/> Patent family members are listed in annex.
--

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed Invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the International search report
--

3 November 2004

11 11 2004

Name and mailing address of the ISA

Authorized officer

European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

Brison, O

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 03/21156

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PETERS G: "A REFERENCE ELECTRODE WITH FREE-DIFFUSION LIQUID JUNCTION FOR ELECTROCHEMICAL MEASUREMENTS UNDER CHANGING PRESSURE CONDITIONS" ANALYTICAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY, COLUMBUS, US, vol. 69, no. 13, 1 July 1997 (1997-07-01), pages 2362-2366, XP000696558 ISSN: 0003-2700 abstract	1
A	NISHIZAWA M ET AL: "METAL NANOTUBULE MEMBRANES WITH ELECTROCHEMICALLY SWITCHABLE ION-TRANSPORT SELECTIVITY" SCIENCE, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, US, vol. 268, 5 May 1995 (1995-05-05), pages 700-702, XP000946546 ISSN: 0036-8075 cited in the application abstract	1
A	HULTEEN J C ET AL: "A GENERAL TEMPLATE-BASED METHOD FOR THE PREPARATION OF NANOMATERIALS" JOURNAL OF MATERIALS CHEMISTRY, THE ROYAL SOCIETY OF CHEMISTRY, CAMBRIDGE, GB, vol. 7, no. 7, 1 July 1997 (1997-07-01), pages 1075-1087, XP000703793 ISSN: 0959-9428 cited in the application page 1075, right-hand column page 1082	1
A	US 4 886 505 A (HAYNES JOHN L ET AL) 12 December 1989 (1989-12-12) column 2, lines 3-63	60,62,63
A	EP 0 761 094 A (CALGON CORP) 12 March 1997 (1997-03-12) page 2, lines 33-47 page 3, lines 48-52	60,61
Y	DE 12 17 657 B (HARTMANN & BRAUN AG) 26 May 1966 (1966-05-26) column 1, line 42 - column 2, line 27	64,65

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 03/21156

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2001045357	A1	29-11-2001		US 6599409 B1 CA 2402527 A1 EP 1346209 A2 JP 2004518126 T WO 02057765 A2 US 2004195098 A1 US 2004011647 A1 US 2004011670 A1 AU 5475400 A CA 2378678 A1 EP 1192455 A1 JP 2003501656 T WO 0075648 A1 US 2003168354 A1		29-07-2003 25-07-2002 24-09-2003 17-06-2004 25-07-2002 07-10-2004 22-01-2004 22-01-2004 28-12-2000 14-12-2000 03-04-2002 14-01-2003 14-12-2000 11-09-2003
WO 0175430	A	11-10-2001		US 6425995 B1 AU 5117401 A WO 0175430 A2 US 2002189943 A1 US 2003178305 A1 US 6495012 B1		30-07-2002 15-10-2001 11-10-2001 19-12-2002 25-09-2003 17-12-2002
GB 2093193	A	25-08-1982		CH 654111 A5 DE 3203407 A1		31-01-1986 09-09-1982
US 4886505	A	12-12-1989		AU 3155089 A AU 588598 B2 AU 5841786 A BR 8602637 A EP 0206024 A2 JP 2005089 B JP 62002947 A		29-06-1989 21-09-1989 11-12-1986 17-11-1987 30-12-1986 31-01-1990 08-01-1987
EP 0761094	A	12-03-1997		US 5641808 A BR 9603624 A CN 1151245 A DE 69600829 D1 DE 69600829 T2 EP 0761094 A1 ES 2122763 T3 JP 9124414 A		24-06-1997 19-05-1998 11-06-1997 26-11-1998 02-06-1999 12-03-1997 16-12-1998 13-05-1997
DE 1217657	B	26-05-1966		NONE		